

The Limits of Abstraction

The Setup

Six slots, one pipeline,
seven categories.

An elegant engineering
abstraction designed
for a unified prompt
system.



The Bug

A merchant uploaded
a denim jacket,
selected the
“Material Breakdown”
template, and
received floating
gemstones.

The Core Issue

The abstraction stopped at the label layer. The prompt still hardcoded jewelry’s visual language: “specimen constellation of jewelry, shot on dark slate.” Labels translated; prompts did not.

Fashion Requires a Native Vocabulary



60-70%

of Xiaohongshu fashion merchant content is OOTD (Outfit of the Day).



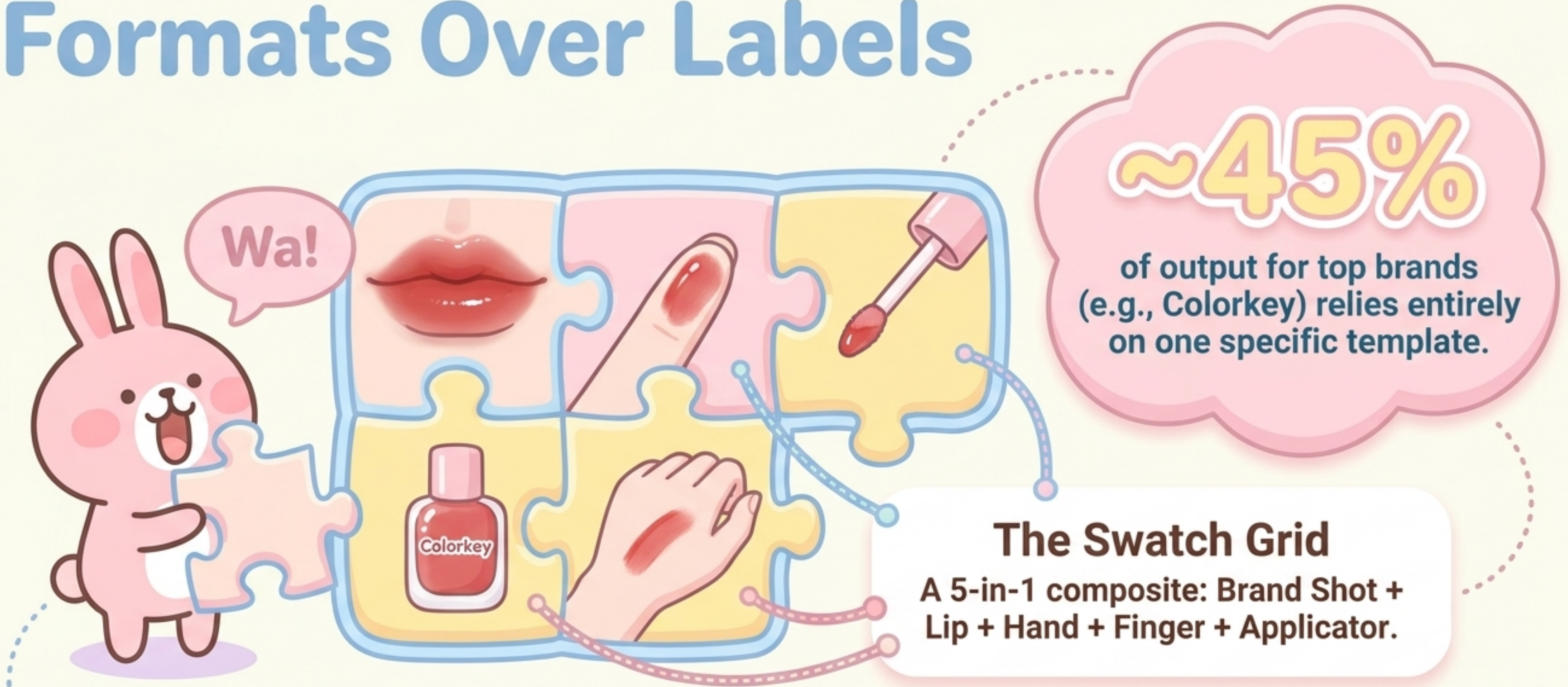
Fashion's top-converting format is a full-body context shot, not a studio product shot.



Sizing requires physical model overlays, not a jewelry coin-scale comparison.

You cannot bridge categories with a simple label swap. Three domain branches on a single prompt cannot fix fundamental differences in visual grammar.

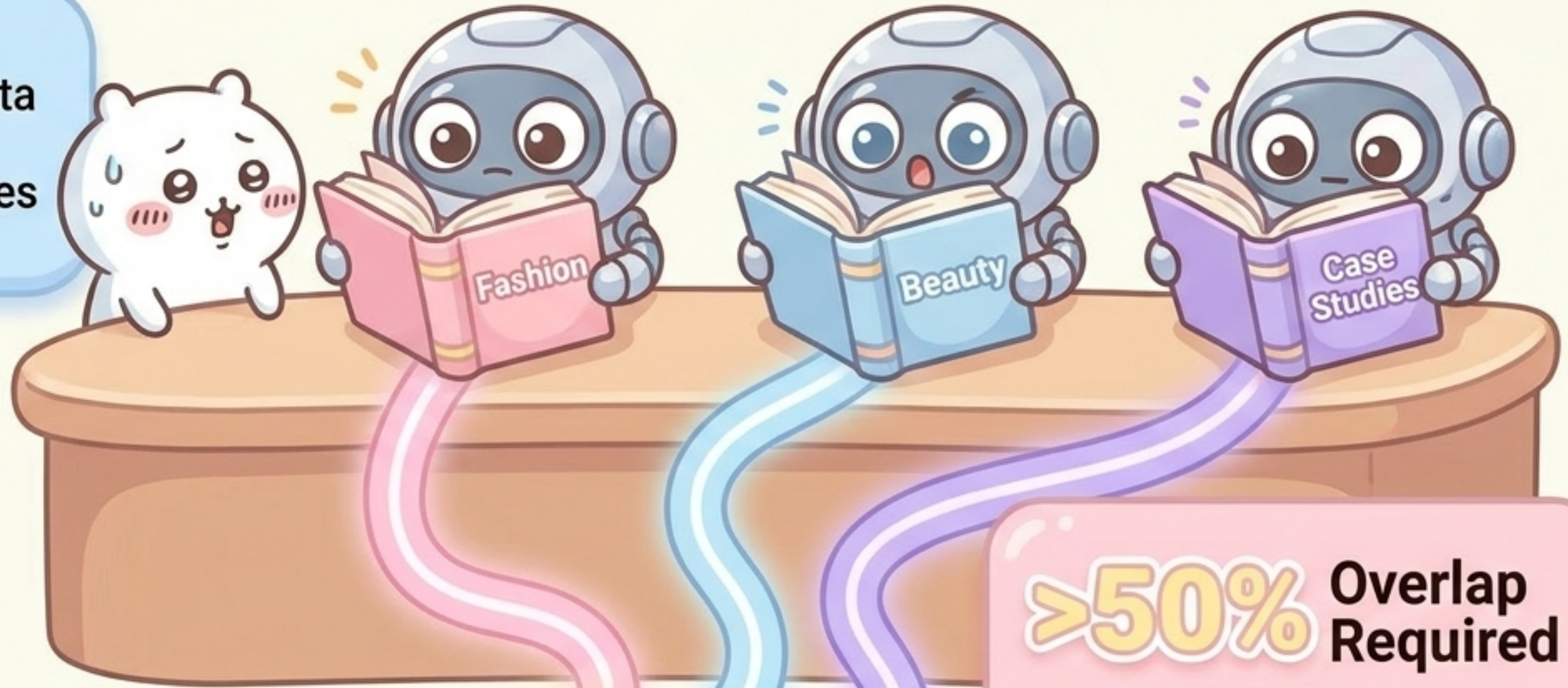
Formats Over Labels



Beauty demands highly specific composite grids to convert.
These are entirely different images, not different labels on the same image.

Skipping the 'Safe' Rollout

The Dilemma: Phased rollouts without user data only create throwaway work. Guessing generates zero real signal.



The Pivot:
Deploying parallel AI agents to conduct qualitative research across industry reports and brand breakdowns.

**Validated
Data**

**>50% Overlap
Required**

Fashion Agent + Beauty Agent
+ Case Study Agent.

Two agents must independently land on the exact same figure for a template to make the cut.

Evidence-Based Iteration



Li-Ning sold 300K units (¥100M GMV) using this exact “scene + product + model” composition. Standalone studio shots were dropped entirely.

The Cuts

“Reasonable” isn’t evidence. ~~Stitch details, height grid multi-models, and molecule diagrams~~ were cut because no viral posts proved their worth for everyday merchants.

Fashion
(6)

Beauty
(6)

Jewelry
(6)

Infrastructure Generalizes. Content Does Not.

(API calls, storage, and billing stay the same. But abstraction cannot save you from writing bespoke prompts)